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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/988,971

DATE: 11/27/2001  
 TIME: 14:05:49

Input Set : A:\Bms41211.app  
 Output Set: N:\CRF3\11212001\I988971.raw

**ENTERED**

3 <110> APPLICANT: BRISTOL-MYERS SQUIBB COMPANY  
 5 <120> TITLE OF INVENTION: CLONING AND EXPRESSION OF HUMAN SLAP-2: A NOVEL  
 6 SH2/SH3 DOMAIN-CONTAINING HUMAN SLAP HOMOLOGUE HAVING  
 7 IMMUNE CELL-SPECIFIC EXPRESSION  
 9 <130> FILE REFERENCE: D0043PCT  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/988,971  
 C--> 12 <141> CURRENT FILING DATE: 2001-11-20  
 14 <150> PRIOR APPLICATION NUMBER: 60/252545  
 15 <151> PRIOR FILING DATE: 2000-11-22  
 17 <160> NUMBER OF SEQ ID NOS: 7  
 19 <170> SOFTWARE: PatentIn Ver. 2.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 2567  
 23 <212> TYPE: DNA  
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 29 ccagaatccc taaggagcat ggggcagctg atccatccct ggtgtacaaa ctgctgactg 180  
 30 cagacagatg ctgagctacc caaaccaaca cctagcctct ccctgaagat cctcccaggc 240  
 31 tgagagagtt ctgggtgtcc taggaccaag gacactggca gacttccaga agggccccc 300  
 32 aagccctaac ctgtccagcc agagcatgcg tctcagcaga gctgtcttcc caagcctttg 360  
 33 atgacaaacc aatttccctc gatgatgtgc ttctgagtgc tctgctgagg aacaatggga 420  
 34 agtctgcccc gcagaagaaa atctctgcca agcccaagct tgagtctctc tgtccaaggc 480  
 35 cagggacctg tgacctgga agcagagaga agcaaggcca cagccgtggc cctgggcagt 540  
 36 ttcccggcag gtggcccggc cgagctgtcg ctgagactcg gggagccatt gaccatcgtc 600  
 37 tctgaggatg gagactggtg gacggtgtcg tctgaagtct caggcagaga gtataacatc 660  
 38 cccacgcgtc acgtggccaa agtctcccat ggggtggctgt atgagggcct gagcagggag 720  
 39 aaagcagagg aactgctgtt gttacctggg aaccctggag gggccttctc catccgggag 780  
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58 gccctgttgc ccatgctgga gtgcaatggc acgatctcag ctcaactgcaa cctccatctc 1920
59 ctggattcaa acaattctcc tgccctagcc tccagaatag ctgggattac aggcgtacac 1980
60 caccatgcct ggctaatttt ttgtatttt tagtagacat ggggtttcac cacattggcc 2040
61 aggcgtgtgt cgaactcctg acctcaggtg atccaccac cttggcctcc caaagtgtgt 2100
62 ggattacagg tgtgagccac ggcacccagc ctagctctca gatctctatt tcattttgtg 2160
63 gcttaccatt ccctagcaca ctggccttgc catcttgttg ccgaataaaa aataacacct 2220
64 cttaagtcta gcacactgca gtgaggccag gcacctcagt gctgggcagg ggcatacaga 2280
65 ggtgctaagc cctctctcca caatgccaag acggagacca cagcctacac caaatccagc 2340
66 ccttgatttc cctgctgcct ccataaacag aaagaggtct gctggatccg ctaagggatc 2400
67 agggagagga agaaagagg atgggggtgg aggcaccccc tccagtgtct ctactggttc 2460
68 ccaagctaca ggtgggggtg gaaaggcttt atcaggtatc atcaacaggt tctcaattaa 2520
69 agatttgatt tattcaagta tgtgaaaaaa aaaaaaaaaa aaaaaaa 2567
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73 <211> LENGTH: 261
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
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79 1 5 10 15
81 Ser Ser Ser Val Gln Gly Gln Gly Pro Val Thr Met Glu Ala Glu Arg
82 20 25 30
84 Ser Lys Ala Thr Ala Val Ala Leu Gly Ser Phe Pro Ala Gly Gly Pro
85 35 40 45
87 Ala Glu Leu Ser Leu Arg Leu Gly Glu Pro Leu Thr Ile Val Ser Glu
88 50 55 60
90 Asp Gly Asp Trp Trp Thr Val Leu Ser Glu Val Ser Gly Arg Glu Tyr
91 65 70 75 80
93 Asn Ile Pro Ser Val His Val Ala Lys Val Ser His Gly Trp Leu Tyr
94 85 90 95
96 Glu Gly Leu Ser Arg Glu Lys Ala Glu Leu Leu Leu Leu Pro Gly
97 100 105 110
99 Asn Pro Gly Gly Ala Phe Leu Ile Arg Glu Ser Gln Thr Arg Arg Gly
100 115 120 125
102 Ser Tyr Ser Leu Ser Val Arg Leu Ser Arg Pro Ala Ser Trp Asp Arg
103 130 135 140
105 Ile Arg His Tyr Arg Ile His Cys Leu Asp Asn Gly Trp Leu Tyr Ile
106 145 150 155 160
108 Ser Pro Arg Leu Thr Phe Pro Ser Leu Gln Ala Leu Val Asp His Tyr
109 165 170 175
111 Ser Glu Leu Ala Asp Asp Ile Cys Cys Leu Leu Lys Glu Pro Cys Val
112 180 185 190
114 Leu Gln Arg Ala Gly Pro Leu Pro Gly Lys Asp Ile Pro Leu Pro Val
115 195 200 205
117 Thr Val Gln Arg Thr Pro Leu Asn Trp Lys Glu Leu Asp Ser Ser Leu
118 210 215 220
120 Leu Phe Ser Glu Ala Ala Thr Gly Glu Glu Ser Leu Leu Ser Glu Gly
121 225 230 235 240
123 Leu Arg Glu Ser Leu Ser Phe Tyr Ile Ser Leu Asn Asp Glu Ala Val
124 245 250 255

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126 Ser Leu Asp Asp Ala
127           260
130 <210> SEQ ID NO: 3
131 <211> LENGTH: 21
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: PY749 PCR
137     PRIMER
139 <400> SEQUENCE: 3
140 cggatcagac actacaggat c                               21
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144 <211> LENGTH: 20
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146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
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157 <211> LENGTH: 30
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: GENE TRAPPER
163     PY750 PRIMER
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170 <211> LENGTH: 276
171 <212> TYPE: PRT
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 6
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176 1           5           10           15
178 Pro Asn Pro Glu Gly Leu Asp Ser Asp Phe Leu Ala Val Leu Ser Asp
179           20           25           30
181 Tyr Pro Ser Pro Asp Ile Ser Pro Pro Ile Phe Arg Arg Gly Glu Lys
182           35           40           45
184 Leu Arg Val Ile Ser Asp Glu Gly Gly Trp Trp Lys Ala Ile Ser Leu
185           50           55           60
187 Ser Thr Gly Arg Glu Ser Tyr Ile Pro Gly Ile Cys Val Ala Arg Val
188 65           70           75           80
190 Tyr His Gly Trp Leu Phe Glu Gly Leu Gly Arg Asp Lys Ala Glu Glu
191           85           90           95
193 Leu Leu Gln Leu Pro Asp Thr Lys Val Gly Ser Phe Met Ile Arg Glu
194           100          105          110
196 Ser Glu Thr Lys Lys Gly Phe Tyr Ser Leu Ser Val Arg His Arg Gln

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197          115          120          125
199 Val Lys His Tyr Arg Ile Phe Arg Leu Pro Asn Asn Trp Tyr Tyr Ile
200          130          135          140
202 Ser Pro Arg Leu Thr Phe Gln Cys Leu Glu Asp Leu Val Asn His Tyr
203 145          150          155          160
205 Ser Glu Val Ala Asp Gly Leu Cys Cys Val Leu Thr Thr Pro Cys Leu
206          165          170          175
208 Thr Gln Ser Thr Ala Ala Pro Ala Val Arg Ala Ser Ser Ser Pro Val
209          180          185          190
211 Thr Leu Arg Gln Lys Thr Val Asp Trp Arg Arg Val Ser Arg Leu Gln
212          195          200          205
214 Glu Asp Pro Glu Gly Thr Glu Asn Pro Leu Gly Val Asp Glu Ser Leu
215          210          215          220
217 Phe Ser Tyr Gly Leu Arg Glu Ser Ile Ala Ser Tyr Leu Ser Leu Thr
218 225          230          235          240
220 Ser Glu Asp Asn Thr Ser Phe Asp Arg Lys Lys Lys Ser Ile Ser Leu
221          245          250          255
223 Met Tyr Gly Gly Ser Lys Arg Lys Ser Ser Phe Phe Ser Ser Pro Pro
224          260          265          270
226 Tyr Phe Glu Asp
227          275
230 <210> SEQ ID NO: 7
231 <211> LENGTH: 281
232 <212> TYPE: PRT
233 <213> ORGANISM: Mus musculus
235 <400> SEQUENCE: 7
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237 1          5          10          15
239 Ser Ser Ser Glu Gly Leu Glu Ser Asp Phe Leu Ala Val Leu Thr Asp
240          20          25          30
242 Tyr Pro Ser Pro Asp Ile Ser Pro Ile Phe Arg Arg Gly Glu Lys
243          35          40          45
245 Leu Arg Val Ile Ser Asp Glu Gly Gly Trp Trp Lys Ala Ile Ser Leu
246          50          55          60
248 Ser Thr Gly Arg Glu Ser Tyr Ile Pro Gly Ile Cys Val Ala Arg Val
249 65          70          75          80
251 Tyr His Gly Trp Leu Phe Glu Gly Leu Gly Arg Asp Lys Ala Glu Glu
252          85          90          95
254 Leu Leu Gln Leu Pro Asp Thr Lys Ile Gly Ser Phe Met Ile Arg Glu
255          100          105          110
257 Ser Glu Thr Lys Lys Gly Phe Tyr Ser Leu Ser Val Arg His Arg Gln
258          115          120          125
260 Val Lys His Tyr Arg Ile Phe Arg Leu Pro Asn Asn Trp Tyr Tyr Ile
261          130          135          140
263 Ser Pro Arg Leu Thr Phe Gln Cys Leu Glu Asp Leu Val Thr His Tyr
264 145          150          155          160
266 Ser Glu Val Ala Asp Gly Leu Cys Cys Val Leu Thr Thr Pro Cys Leu
267          165          170          175
269 Ala Gln Asn Ile Pro Ala Pro Thr Ser His Pro Ser Pro Cys Thr Ser

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270		180		185		190
272	Pro Gly Ser	Pro Val Thr Leu Arg	Gln Lys Thr Phe Asp	Trp Lys Arg		
273		195		200		205
275	Val Ser Arg	Leu Gln Glu Gly Ser	Glu Gly Ala Glu Asn	Pro Leu Arg		
276		210		215		220
278	Val Asp Glu Ser	Leu Phe Ser Tyr Gly	Leu Arg Glu Ser	Ile Ala Ser		
279	225		230		235	240
281	Tyr Leu Ser	Leu Thr Gly Asp Asp	Ser Ser Ser	Phe Asp Arg	Lys Lys	
282		245		250		255
284	Lys Ser Leu Ser	Leu Met Tyr Thr Gly	Ser Lys Arg Lys	Ser Ser Phe		
285		260		265		270
287	Phe Ser Ala	Pro Gln Tyr Phe Glu	Asp			
288		275		280		

VERIFICATION SUMMARY

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TIME: 14:05:50

Input Set : A:\Bms41211.app

Output Set: N:\CRF3\11212001\I988971.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date